

Geospatial Data Governance

Lyon (France)

8 - 12 June 2026

UK Traininig

PARTNER



Geospatial Data Governance

Code: IT28 From: 8 - 12 June 2026 City: Lyon (France) Fees: 4900 Pound

Introduction

The Advanced Course on Geospatial Data Governance is a comprehensive program designed to equip participants with modern, advanced knowledge and skills for managing and governing geospatial data. This course explores the principles, methodologies, and best practices necessary to effectively manage geospatial data in today's rapidly evolving digital landscape.

Through a combination of theoretical learning, practical exercises, and real-world case studies, participants will gain the expertise needed to establish robust geospatial data governance frameworks. These frameworks ensure data quality, integrity, and accessibility, while addressing legal, ethical, and regulatory considerations. The course also covers geospatial data analysis using the Python data science ecosystem, including GeoPandas and its extensions.

Course Objectives

This course aims to:

- Provide a comprehensive understanding of geospatial data governance, its importance, and its role in decision-making processes.
- Explore advanced techniques for managing and governing geospatial data throughout its lifecycle.
- Develop skills to establish data governance policies, standards, and procedures for effective geospatial data management.
- Enhance participants' ability to ensure data quality, integrity, and interoperability in geospatial datasets.
- Foster understanding of emerging trends and technologies in geospatial data governance and their implications for organizations.
- Equip participants with knowledge and skills to perform geospatial data analysis using Python tools like GeoPandas.

Course Outlines

Day 1: Introduction to Geospatial Data Governance

- Overview of geospatial data governance and its significance in today's digital environment.
- Understanding challenges and opportunities in managing geospatial data.
- Exploring legal, ethical, and regulatory considerations in geospatial data governance.

Day 2: Geospatial Data Lifecycle Management

- Understanding the lifecycle of geospatial data from acquisition to archiving.
- Establishing data management processes and workflows for geospatial datasets.



- Data documentation, metadata standards, and cataloging in geospatial data governance.

Day 3: Data Standards and Interoperability

- Introduction to geospatial data standards and their role in ensuring interoperability.
- Implementing and maintaining data standards for geospatial datasets.
- Addressing data integration challenges and promoting interoperability in geospatial data governance.

Day 4: Data Quality and Integrity in Geospatial Data Governance

- Understanding data quality dimensions and metrics for geospatial datasets.
- Techniques for data validation, cleaning, and transformation to ensure data integrity.
- Implementing data quality assurance processes in geospatial data governance frameworks.

Day 5: Geospatial Data Analysis with Python

- Overview of the Python data science ecosystem for geospatial data analysis.
- Basics of Python data science, including NumPy and Pandas.
- Performing geospatial data analysis using GeoPandas.
- Using Jupyter for documenting workflows and creating interactive examples.
- Exploring Python extensions for geospatial data: Fiona, Shapely, GDAL, and GeoPandas.

Why Attend this Course: Wins & Losses!

- Gain in-depth knowledge of geospatial data governance and best practices.
- Develop effective geospatial data strategies to ensure data quality and integrity.
- Master geospatial data analysis using advanced Python tools like GeoPandas.
- Understand the benefits of data governance and its role in strategic decision-making.
- Enhance your career as a geospatial data specialist by applying advanced governance frameworks.
- Apply knowledge to improve data analytics in government and various industries.

Conclusion

By the end of this course, participants will have a thorough understanding of geospatial data governance, including its definition, the benefits of data governance, and its critical role in data analytics in government and other sectors. They will be equipped with the skills to develop effective data governance policies, understand data governance responsibilities, and utilize advanced tools for geospatial data solutions.

This knowledge will empower them to become proficient geospatial data specialists, capable of implementing strategic geospatial data initiatives within their organizations, enhancing data quality and decision-making accuracy in advanced digital environments.

Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

ASIA



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut



Blackbird Training Cities

AFRICA



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for

UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

